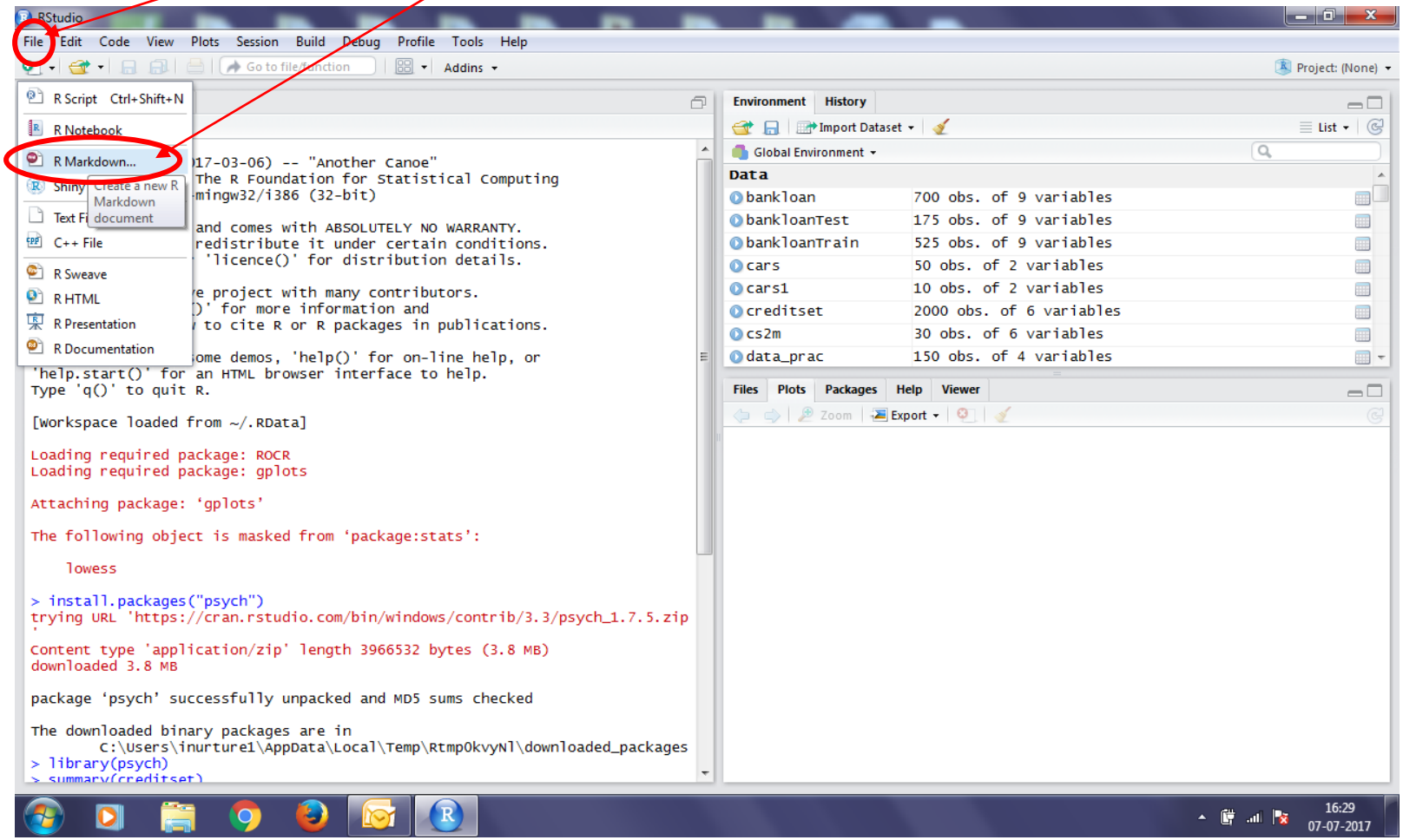
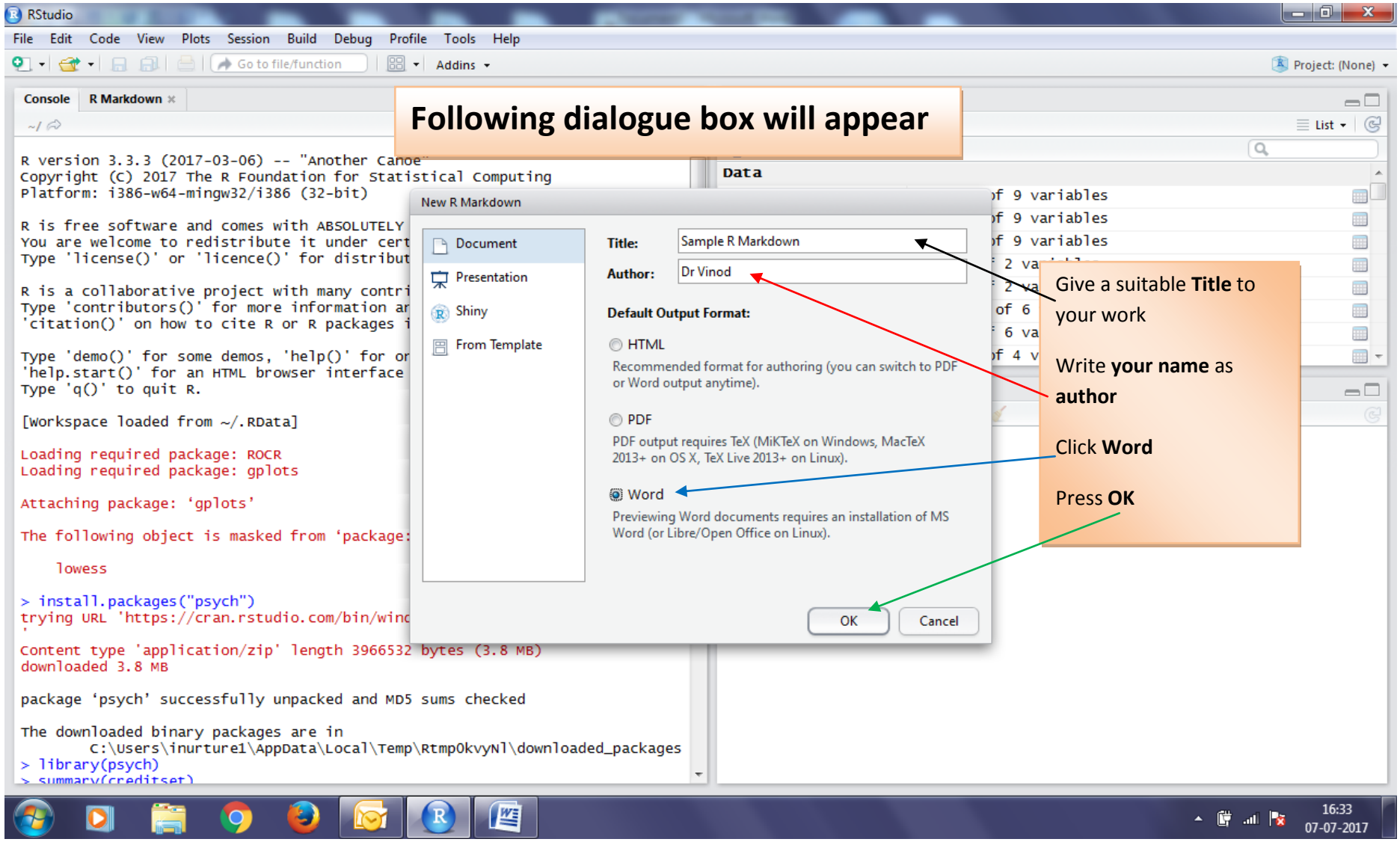
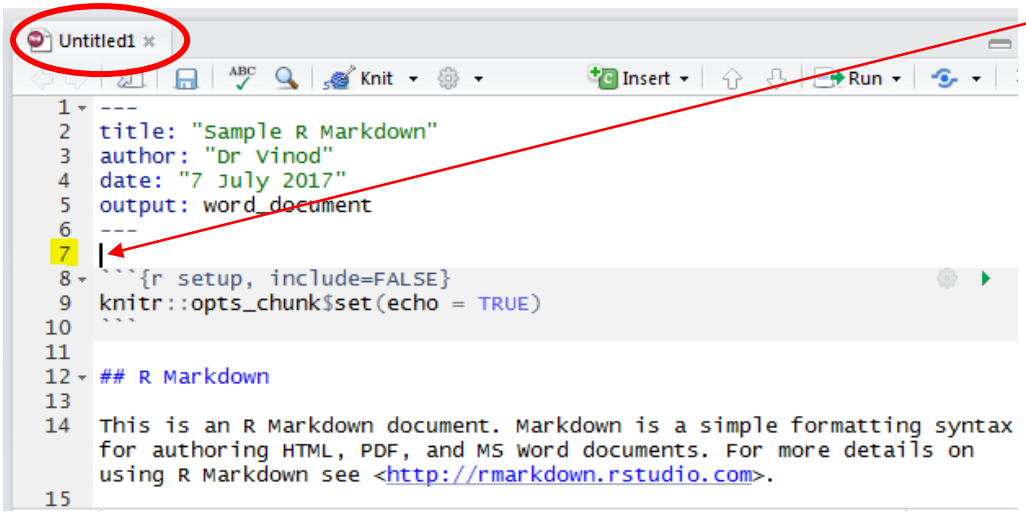
- **Follow these guidelines and put your analysis in R Markdown format**
- **Suggested that you prepare a R Script file first and put commands/codes in proper sequence**
- **Once you are sure about your analysis then start preparing R Markdown file for which you copy and paste codes from R Script file to chunk (Don’t worry about new word chunk! This is explained in the following pages**

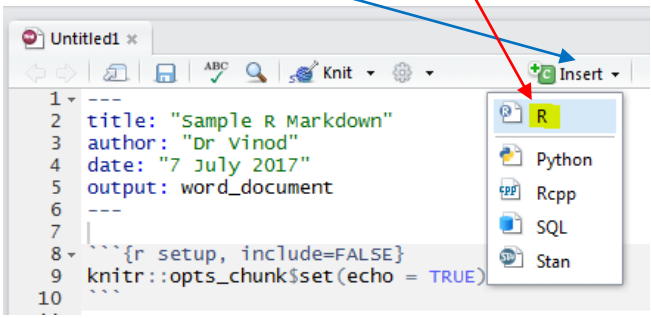
Step 1: Go to **File** → click **R Markdown**



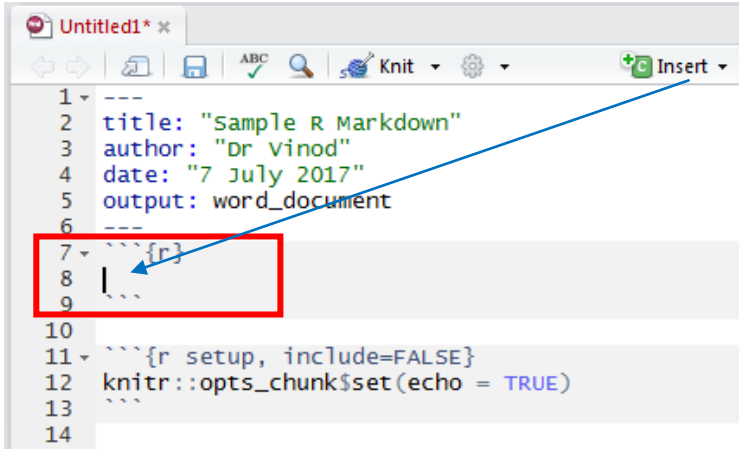

Following dialogue box will appear
New R Markdown
Document
Presentation
Shiny
From Template
Title:
Sample R Markdown
Author:
Dr Vinod
Default Output Format:
HTML
Recommended format for authoring (you can switch to PDF or Word output anytime).
PDF
PDF output requires TeX (MiKTeX on Windows, MacTeX 2013+ on OS X, TeX Live 2013+ on Linux).
Word
Previewing Word documents requires an installation of MS Word (or Libre/Open Office on Linux).
OK
Cancel
Give a suitable Title to your work
Write your name as author
Click Word
Press OK

Step 2: A new markdown file will be shown as **Untitled1**. Keep your cursor in **line 7** → Go to **Insert** → click **R**

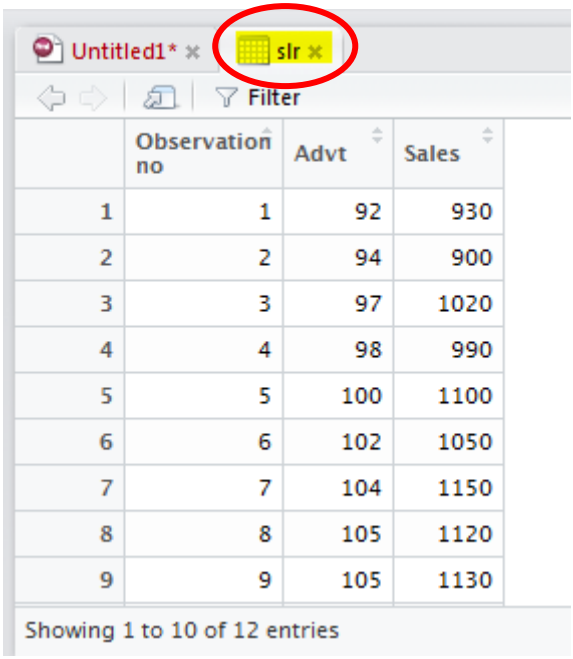




You will see your 1st chunk, YOU can write in line 8



Step 3: Import **slr.csv** → Go to Console and copy this



Untitled1* slr

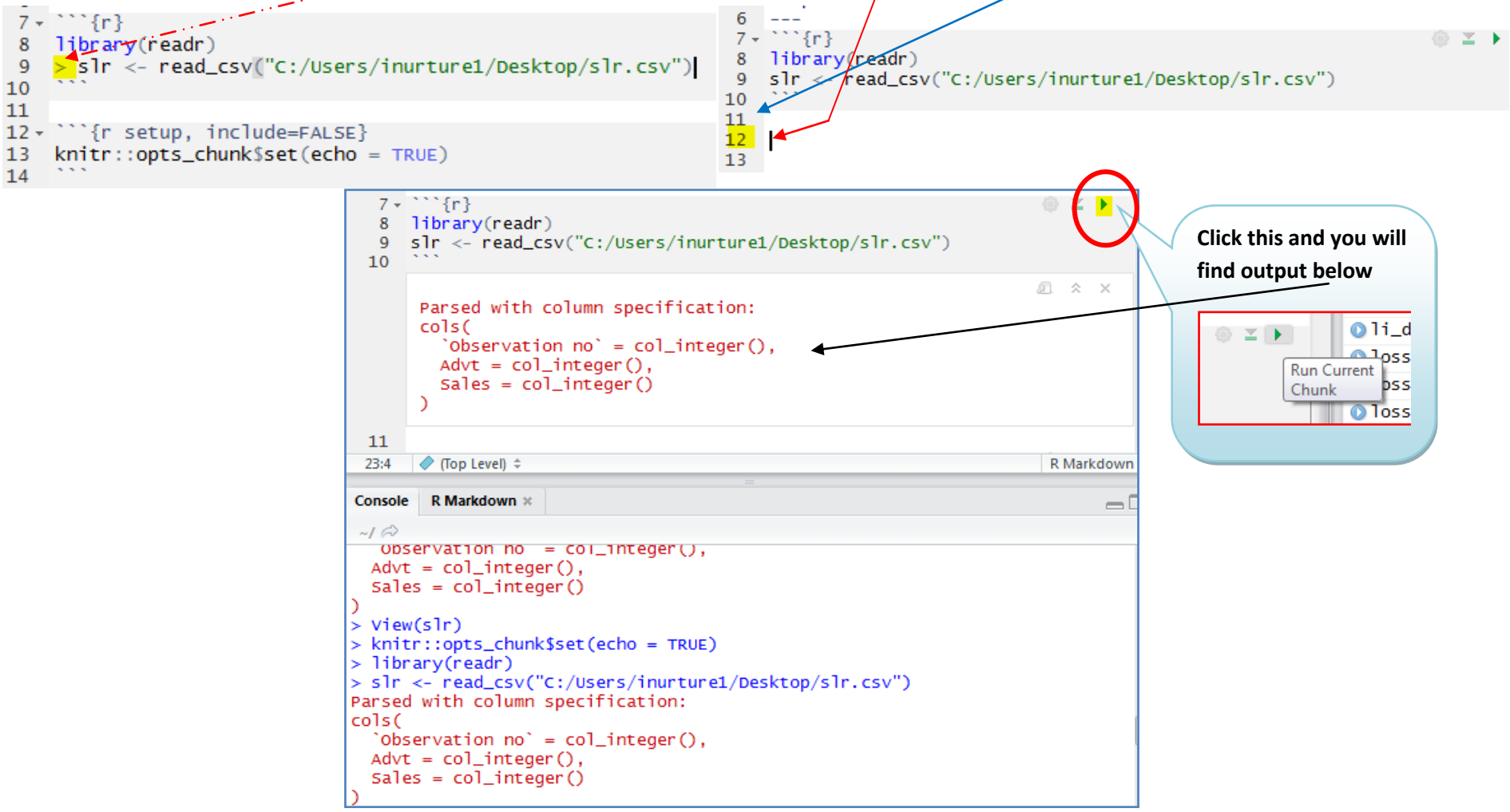
Filter

	Observation no	Advt	Sales
1	1	92	930
2	2	94	900
3	3	97	1020
4	4	98	990
5	5	100	1100
6	6	102	1050
7	7	104	1150
8	8	105	1120
9	9	105	1130

Showing 1 to 10 of 12 entries

```
> library(readr)
> slr <- read_csv("C:/Users/inurture1/Desktop/slr.csv")
Parsed with column specification:
cols(
  `Observation no` = col_integer(),
  Advt = col_integer(),
  Sales = col_integer()
)
> View(slr)
```

And ***paste*** in **line 8 (Untitled1)→ remove/delete >** → **create lines 11, 12, 13 by pressing enter at line 11** → **Now you can insert your 2nd chunk at line 12**

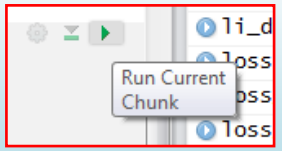


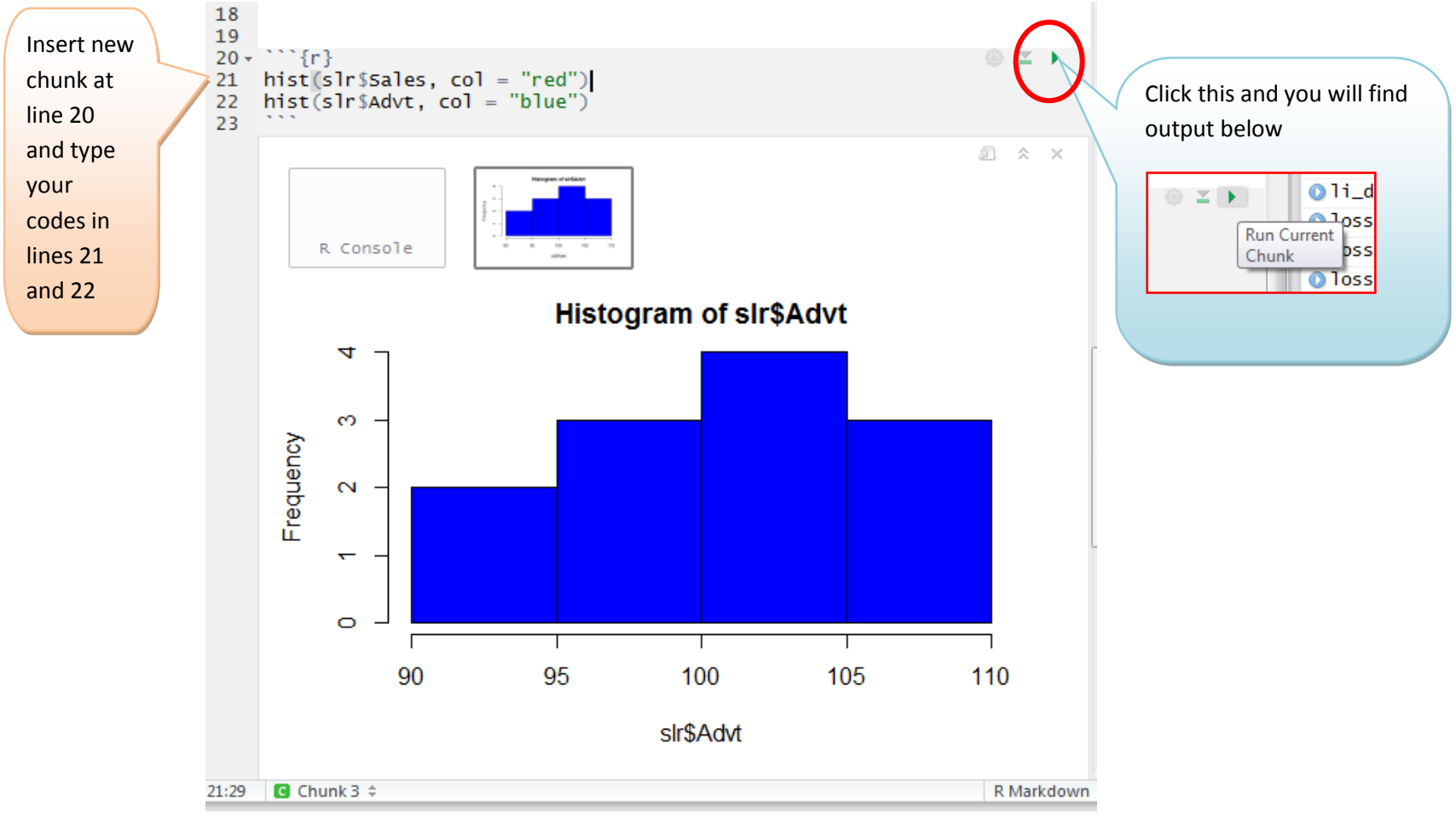
Insert new chunk at line 12 the way you have done in step 2 & 3 and type your codes in lines 13, 14 & 15

```
11
12 ```{r}
13 str(slr)
14 dim(slr)
15 summary(slr)
16 ```
```

```
Classes 'tbl_df', 'tbl' and 'data.frame':       12 obs. of  3
variables:
 $ Observation no: int  1 2 3 4 5 6 7 8 9 10 ...
 $ Advt          : int  92 94 97 98 100 102 104 105 105 107 ...
 $ Sales         : int  930 900 1020 990 1100 1050 1150 1120 1130
1200 ...
 - attr(*, "spec")=List of 2
  ..$ cols   :List of 3
  .. ..$ Observation no: list()
  .. .. ..- attr(*, "class")= chr  "collector_integer" "collector"
  .. ..$ Advt          : list()
  .. .. ..- attr(*, "class")= chr  "collector_integer" "collector"
  .. ..$ Sales         : list()
  .. .. ..- attr(*, "class")= chr  "collector_integer" "collector"
  ..$ default: list()
  .. ..- attr(*, "class")= chr  "collector_guess" "collector"
  ..- attr(*, "class")= chr "col_spec"
[1] 12  3
 Observation no       Advt            Sales
 Min.   : 1.00   Min.   : 92.00   Min.   : 900
 1st Qu.: 3.75   1st Qu.: 97.75   1st Qu.:1012
 Median : 6.50   Median :103.00   Median :1110
 Mean   : 6.50   Mean   :101.75   Mean   :1088
 3rd Qu.: 9.25   3rd Qu.:105.50   3rd Qu.:1162
 Max.   :12.00   Max.   :110.00   Max.   :1250
```

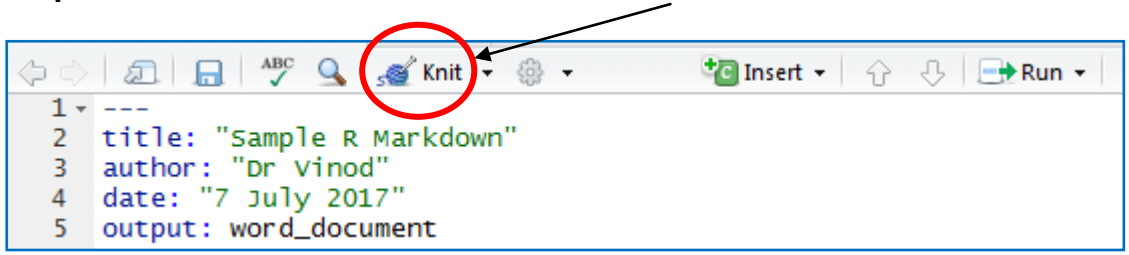
Click this and you will find output below



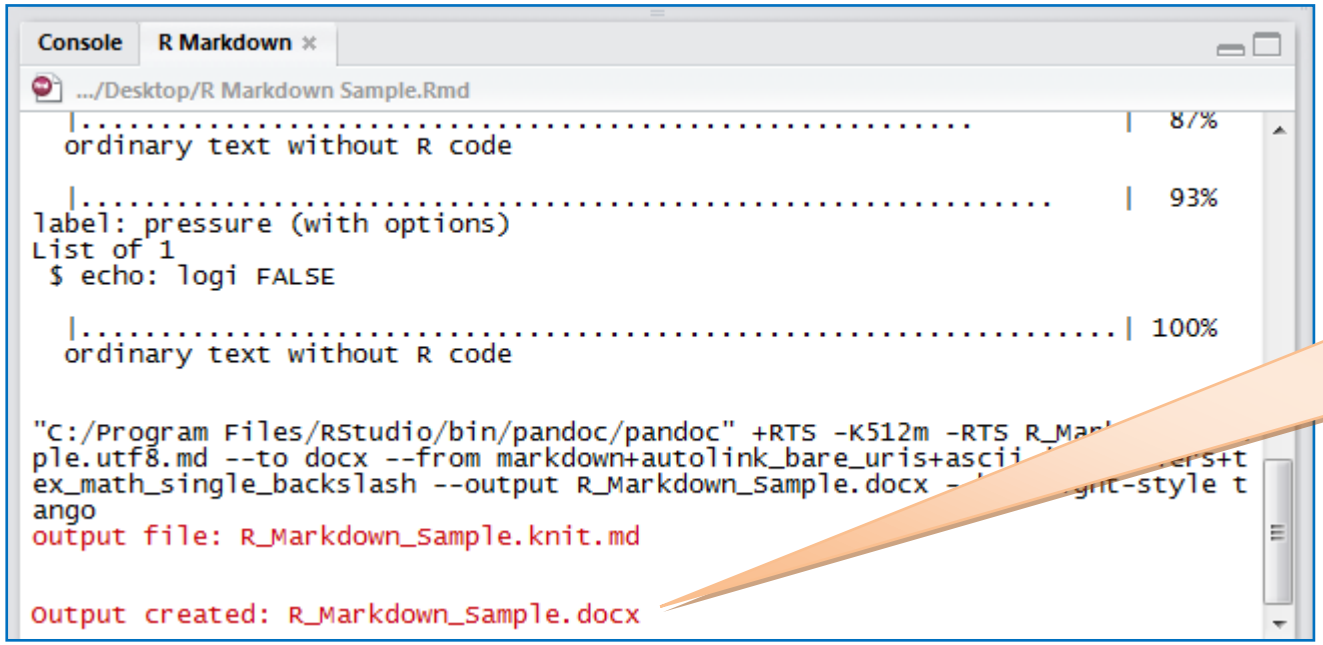

Insert new chunk at line 20 and type your codes in lines 21 and 22
18
19
20 ```{r}
21 hist(slr$Sales, col = "red")
22 hist(slr$Advt, col = "blue")
23 ```
R Console
Histogram of slr$Advt
Frequency
0
1
2
3
4
90
95
100
105
110
slr$Advt
21:29
Chunk 3
R Markdown
Click this and you will find output below
Run Current Chunk

This way you can add as many chunks as you want!

Step 4: Time to come for final hit! → Click **Knit**



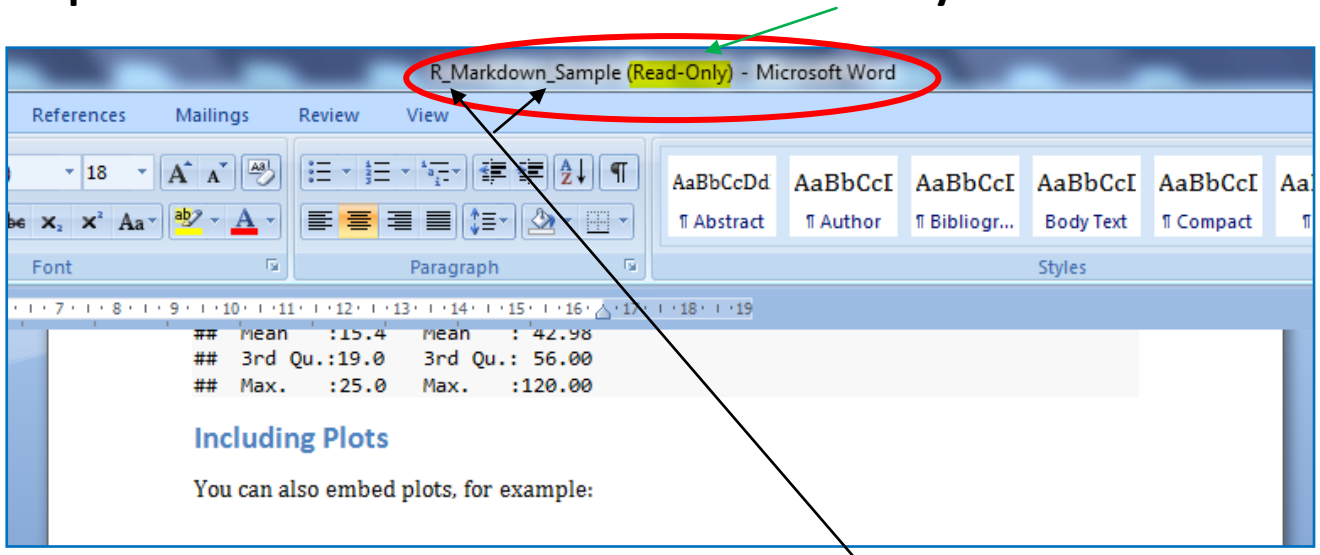
You need to give name to your markdown file and save at your desired location.



See bottom left quadrant → look at this line → **KUDOS** to you for creating your first R Markdown document!

Congratulations!

Step 5: Your R Markdown file is still in **Read-only** mode



Apply your cut copy paste skills and arrange the way you want. Save it....Now change the name.....the best you can do is to remove *underscores* (for preserving the same name) or give another name. [The edited word file (and pdf also) are supplemented with this document]

You have learnt one of the high order skills in dealing with R....!

Congratulations again!

Happy Learning!